What is claimed is:

1. A liquid crystal display, comprising:

a supporting base having a first section, a second section, a third section, a first pivot positioned between the first section and the second section, and a second pivot positioned between the second section and the third section;

a display unit connected to the third section of the supporting base, exerting a first torque on the first pivot by a weight of the display unit; and

a pre-force mechanism connected to the first pivot, exerting a second torque on the first pivot, and the second torque and the first torque being in opposite directions.

2. The liquid crystal display as claimed in claim 1, wherein the second section of the supporting base is hollow, and the pre-force mechanism is disposed in the second section.

3. The liquid crystal display as claimed in claim 2, wherein the first pivot comprises a fixed element connected to the first section of the supporting base, and a movable element connected to the second section of the supporting base.

4. The liquid crystal display as claimed in claim 3, wherein the pre-force mechanism comprises a rod

coupled to the fixed element of the first pivot, a stopper disposed in the second section of the supporting base, and a spring disposed on the rod and pressed against the stopper.

5. The liquid crystal display as claimed in claim 4, wherein the rod comprises a first end coupled to the fixed element of the first pivot, a second end, and a middle portion located between the first end and the second end.

6. The liquid crystal display as claimed in claim 5, wherein the fixed element of the first pivot comprises an opening, and the first end of the rod is hooked at the opening such that the rod is coupled to the fixed element.

7. The liquid crystal display as claimed in claim 5, wherein the second end of the rod is thinner than the middle portion of the rod so that the spring is positioned between the stopper and the second end of the rod.

8. The liquid crystal display as claimed in claim 5, wherein the spring is integrally formed on the second end of the rod.

9. The liquid crystal display as claimed in claim 5 further comprising a wear linear disposed between the second end of the rod and the second section of the supporting base.

10. The liquid crystal display as claimed in claim 9, wherein the wear linear is fixed on the second end of the rod.

11. The liquid crystal display as claimed in claim 9, wherein the wear liner is fixed on an inner wall of the second section of the supporting base.

12. A liquid crystal display, comprising:

a supporting base having at least two sections and at least one pivot connecting the two sections;

a display unit lifted by the supporting base, exerting a first torque on the first pivot by a weight of the display unit; and

a pre-force mechanism connected to the pivot, exerting a second torque on the pivot, and the second torque and the first torque being in opposite directions.

13. The liquid crystal display as claimed in claim 12,wherein one of the two sections of the supporting base is hollow, with the pre-force mechanism disposed therein.

14. An supporting base for supporting a device, comprising:

a first section;

a second section;

a first pivot coupled to the first section and the second section;

a third section connected to the device;

a second pivot coupled to the third section and the second section; and

a pre-force mechanism connected to the first pivot;

wherein the device exerts a first torque on the first pivot by a weight of the device, and the pre-force mechanism exerts a second torque opposite to the first torque on the first pivot.

15. The supporting base as claimed in claim 14, wherein the second section is hollow, and the pre-force mechanism is disposed in the second section.

16. The supporting base as claimed in claim 15, wherein the first pivot comprises a fixed element connected to the first section and a movable element connected to the second section.

17. The supporting base as claimed in claim 16, wherein the pre-force mechanism comprises a rod coupled to the fixed element of the first pivot, a stopper disposed in the second section, and a spring disposed on the rod and pressed against the stopper.

18. The supporting base as claimed in claim 17, wherein the rod comprises a first end coupled to the fixed element of the first pivot, a second end, and a middle portion located between the first end and the second end.

19 The supporting base as claimed in claim 18, wherein the fixed element of the first pivot comprises an

opening, and the first end of the rod is hooked at the opening of the fixed element of the first pivot such that the rod is coupled to the fixed element.

20. The supporting base as claimed in claim 18, wherein the second end of the rod is thinner than the middle portion of the rod so that the spring is positioned between the stopper and the second end of the rod.

21. The supporting base as claimed in claim 18, wherein the spring is integrally formed on the second end of the rod.

22. The supporting base as claimed in claim 18 further comprising a wear liner disposed between the second end of the rod and the second section.

23. The supporting base as claimed in claim 22, wherein the wear liner is fixed on the second end of the rod.

24. The supporting base as claimed in claim 22, wherein the wear liner is fixed on an inner wall of the second section.